



Missouri
Department of
Natural Resources

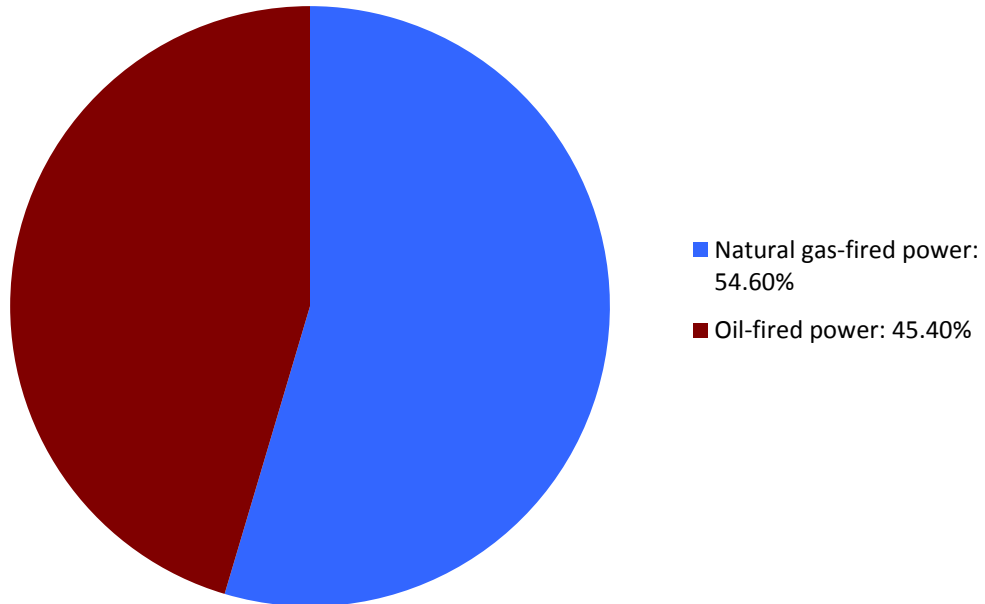
**Chillicothe Municipal Utilities
Utility-Owned Electric Generation and Emissions in 2009**

	Fuel Consumption, MMBTUs	Percent of Total		Net Electric Power Generated in 2009 (MWh)	Percent of Total	
Non-renewable sources						
Coal-fired power						
Natural gas-fired power	12,392	58.11%		834	54.60%	
Oil-fired power	8,932	41.89%		694	45.40%	
Nuclear power						
Other non-renewable power						
Non-renewable total	21,324	100.00%	100.00%	1,528	100.00%	100.00%
Renewable sources						
Hydroelectric Power						
Wind						
Waste and biomass						
Solar						
Geothermal						
Landfill Gas						
Renewable total	0	0.00%	0.00%	0	0.00%	0.00%
Grand total all sources	21,324		100.00%	1,528		100.00%

Fuel Type	Physical Units	Number of Units
Natural Gas	Mcf	12,318
Distillate Fuel Oil	Barrels	1,540



Net Generation by Fuel Type, 2009 for Chillicothe Municipal Utilities





Emissions from Electricity Generated in 2009: Chillicothe Municipal Utilities

Plant	Carbon Dioxide (CO ₂) (Tons)	Carbon Monoxide (CO) (Tons)	Ammonia (NH ₃) (Tons)	Nitrogen Oxides (NO _x) (Tons)	Sulfur Dioxides (SO ₂) (Tons)
Chillicothe Municipal Utilities	845.36	0.96	NV	11.39	1.63
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Plant	Volatile Organic Compounds (VOC) (Tons)	Course Particulate Matter (PM ₁₀ Total) (Tons)	Fine Particulate Matter (PM _{2.5} Total) (Tons)	Mercury (Hg) (LBS)
Chillicothe Municipal Utilities	0.10	0.19	0.19	NV

'NV' = Emissions value not available.

Note: The data provided includes only generation and emissions from power plants owned by the utility. It does not include generation or emissions from power purchased by the utility and distributed to its customers.



Pollution controls installed on plants operated by Chillicothe Municipal Utilities

SO2 Controls			
Plant	Control Equipment	Sorbent Type	Operational Efficiency
Chillicothe	No SO2 Controls Installed		

NOX Controls				
Plant	Device Type	Description	Capture Efficiency	Control Efficiency
Chillicothe	WATER INJECTION	WATER INJECTION	100.00%	62.30%



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**Missouri Power plants owned and operated by Chillicothe Municipal Utilities in
2009**

Plant	County	Primary Fuel	Capacity (MW)	Net Generation (MWh)
Chillicothe	Livingston	Natural Gas	90	1,528

Data Sources

- Emissions Data: Missouri Department of Natural Resources, Air Pollution Control Program, Missouri Emissions Inventory System (MOEIS)
<http://www.dnr.mo.gov/env/apcp/moeis/emissionsreporting.htm>
- CO2 Emissions calculated by Missouri Department of Natural Resources, Division of Energy, from EIA Fuel Consumption Data
- Fuel Consumption and Generation Data: United States Energy Information Administration, Form 923, United States Department of Energy
http://www.eia.gov/cneaf/electricity/page/eia906_920.html